

## Abstract

The present invention relates to providing a power plug with overloaded display, which provides users with the function of warning display for protecting the power plug from over-heated melting and from shorting and catching on fire. The character is that an embedded positioned block is arranged on the periphery of the electric metal-pin of said power plug, and a thermochromic film is coated on the surface of said embedded positioned block, and warning characters are printed on said embedded positioned block. The external body of said power plug is made by injection modeling with mixed transparent PVC and thermochromic materials, or the embedded positioned block may be directly injected with thermochromic materials, or connected with a detecting transistor linked by a light emitting diode (LED) . When the power plug is over-heated and the temperature of the power plug gradually increases, the thermochromic materials or the LED will display a warning message.